



U.S. General Services Administration

Federal Acquisition Service

Motor Vehicle Executive Council

Project Briefing: *Moving out on Electrics*

March 17, 2011

GOAL: Reduce our country's dependence on foreign oil and its production of greenhouse gas emissions

Road to Eco friendly vehicles:

- Paradigm shift
- Increase AFV Offerings
- Electrification



Alternative Fuel Vehicle (AFV) Offerings

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	<u>FY2010 AFV Offerings</u>	<u>FY 2011 AFV Offerings</u>
Low Greenhouse Gas Vehicles	13	15
E85 (85% ethanol, 15% gas)	162	175
B20 capable (20% BioDiesel, 80% diesel)	25	231
Hybrid Vehicles	49	70
CNG (Compressed Natural Gas)	25	7
Propane	7	3
LNG (liquefied natural gas)	7	3
Battery Electric Vehicles	3	1
E85 Hybrid Vehicle		1
	291 AFV Offerings	498 AFV Offerings

2011

- ▶ Chevy Volt
- ▶ Nissan Leaf
- ▶ Ford Transit Connect
- ▶ Think City
- ▶ Wheego Life
- ▶ Coda Sedan
- ▶ Ford Focus EV

2012

- ▶ Bright Automotive IDEA PHEV
- ▶ Fiat 500 EV
- ▶ Ford Escape PHEV
- ▶ Ford C-Max
- ▶ Honda Fit EV
- ▶ Mazda BEV
- ▶ Toyota Prius PHEV
- ▶ Volkswagen E-Up

2015 is expected model year for Hydrogen Fuel Cell Vehicles

Initiate pilot of commercially available Plug-in Electric Vehicles (PEVs)

Chevy Volt



- 25-50 miles all-electric
- 300+ miles gas extended range

Nissan Leaf



- 68-132 miles all-electric

Introducing PEVs into the Federal fleet:

- Solicited industry for electric vehicle supply equipment (EVSE) required for a network of charging stations
- Impacted by constraints from the existing Statutory Price Limitation (SPL)
- Plan to pilot approximately 100 advanced technology, PEVs across five major U.S. cities
- Nationwide collaborative effort between Fleet managers, PBS, OGP, DOE, OEMs and customers

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- Statutory Price Limitation
- Manufacturers production levels
- PEV/EV capabilities compared to traditional configurations
- Infrastructure
- Limited service options
- Customer knowledge about vehicle capabilities and fueling/charging process
- Cost

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- Initiate electric vehicle market share in the Federal fleet
- Educate Federal fleets on costs, benefits and capabilities of advanced technology vehicles
- Leverage expertise by collaborating with PBS, DOE and OEMs
- Demonstrate impact of petroleum and greenhouse gas reductions

Current Electric Vehicle Offerings

ONE EV UNDER CONTRACT

Smith Electric Newton

(SIN 571E – 20ft, 25,500 lbs GVWR)



Low Speed Electric Vehicles (examples) (FMVSS 500 compliant through GSA Schedule 23V)

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American Sportworks
LSV-ST 2



Cruise Car Kudo Solar
Electric Hybrid Police LSV



Columbia Par Car MG1-VN,
Mega Van



Vantage Vehicle
Cargo Greenvan



GEM ES, 2-Passenger,
Short-Back NEV



Columbia Par Car MG1-TN,
Mega Tilt Bed



EC America Carryall 6
Electric LSV – Base Vehicle



Wheego Whip LSV



GEM E6
6-Passenger NEV



Cruise Car Sunray Solar
Electric, 6042K01-48V LSV



Greengo Tek
E-Dyne VP



E-SUV EXV4
Passenger (DC)



J H Global Services 48V
Dump Truck



J H Global Services 48V
Long Catering/Mail Truck



Polaris EV LSV



Greengo Tek
E-Dyne T

**THANK YOU FOR YOUR
BUSINESS!**

LET US KNOW HOW WE CAN HELP